

CLAIMS

1. A method in a computer system for preparing a program for customization, the method comprising:
 - for a plurality of statements of the program,
 - retrieving the statement;
 - identifying a type of the retrieved statement; and
 - when the identified type indicates that statements of that type can be customized,
 - identifying content of the statement that can be customized;
 - storing the identified content in a custom content bundle so that identified content can be later retrieved from the custom content bundle using a content identifier; and
 - replacing the identified content in the retrieved statement with an include content command having the content identifier so that when the include content command is processed, it retrieves content from a custom content bundle using the content identifier.
2. The method of claim 1 wherein the program is a server-executable web page and wherein the statements are tags.
3. The method of claim 2 wherein the statements are custom JSP tags.
4. The method of claim 2 wherein the statements are HTML tags.
5. The method of claim 2 wherein the server-executable web page is a JavaServer page.
6. The method of claim 2 wherein the server-executable web page is an active server page.

1 7. The method of claim 1 wherein the content is text.

1 8. The method of claim 1 wherein the customization is language
2 localization.

1 9. The method of claim 1 wherein a custom content bundle from which the
2 content is retrieved when processing the include content command is different from the
3 custom content bundle in which the identified content is stored.

1 10. The method of claim 9 wherein the different custom content bundles
2 represent content in different languages.

1 11. A method in a computer system for customizing a program, the method
2 comprising:

3 during execution of the program,

4 establishing a default value for a customization parameter for the
5 program; and

6 for a plurality of statements of the program,

7 determining whether the statement has statement-specific value
8 for the customization parameter that overrides the default value parameter;

9 when it is determined that the statement has a statement-specific
10 value that overrides the default value, retrieving content from a custom content bundle
11 associated with the statement-specific value; and

12 when it is determined that the statement does not have a
13 statement-specific value that overrides the default value, retrieving content from a custom
14 content bundle associated with the default value

15 whereby different statements can have different values for the customization
16 parameter.

1 12. The method of claim 11 wherein the customizing is language
2 localization.

1 13. The method of claim 11 wherein the custom content bundles include
2 text content.

1 14. The method of claim 11 wherein the custom content bundles include
2 images.

1 15. The method of claim 11 wherein the custom content bundles include
2 code.

1 16. The method of claim 15 wherein the customization parameter is country
2 and the code formats data according to the country.

1 17. The method of claim 11 wherein the program is a server-executable web
2 page and wherein the statements are tags.

1 18. The method of claim 17 wherein the statements are custom tags.

1 19. The method of claim 17 wherein the statements are HTML tags.

1 20. The method of claim 17 wherein the server-executable web page is a
2 JavaServer page.

1 21. The method of claim 17 wherein the server-executable web page is an
2 active server page.

1 22. The method of claim 11 wherein the different custom content bundles
2 represent content in different languages.

1 23. The method of claim 11 wherein a custom content bundle is
2 automatically generated from a program.

1 24. The method of claim 23 wherein the automatic generation processes the
2 program to replace content with references to the content that is stored in a custom content
3 bundle.

1 25. A computer system for preparing a statement of a program for
2 customization, comprising:

3 a component that determines whether the statement is of a type that can be
4 customized; and

5 a component that identifies content of the statement that can be customized,
6 that stores the identified content in a custom content bundle so that identified content can be
7 later retrieved from the custom content bundle using a content identifier, and that replaces
8 the identified content in the retrieved statement with an include content command having the
9 content identifier so that when the include content command is processed, the content from a
10 custom content bundle is retrieved using the content identifier.

1 26. The computer system of claim 25 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 27. The computer system of claim 26 wherein the statements are custom
2 JSP tags.

1 28. The computer system of claim 26 wherein the statements are HTML
2 tags.

1 29. The computer system of claim 26 wherein the server-executable web
2 page is a JavaServer page.

1 30. The computer system of claim 26 wherein the server-executable web
2 page is an active server page.

1 31. The computer system of claim 25 wherein the content is text.

1 32. The computer system of claim 25 wherein the customization is language
2 localization.

1 33 The computer system of claim 25 wherein a custom content bundle from
2 which the content is retrieved when processing the include content command is different
3 from the custom content bundle in which the identified content is stored.

1 34. The computer system of claim 33 wherein the different custom content
2 bundles represent content in different languages.

1 35. A computer system for preparing a statement of a program for
2 customization, comprising:

3 means for determining whether the statement is of a type that can be
4 customized;

5 means for identifying content of the statement that can be customized;

6 means for storing the identified content in a custom content bundle using a
7 content identifier; and

8 means for replacing the identified content in the retrieved statement with an
9 include content command having the content identifier.

1 36. The computer system of claim 35 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 37. The computer system of claim 35 wherein the content is text.

1 38. The computer system of claim 35 wherein the customization is language
2 localization.

1 39. The computer system of claim 35 wherein a custom content bundle from
2 which the content is retrieved when processing the include content command is different
3 from the custom content bundle in which the identified content is stored.

1 40. The computer system of claim 39 wherein the different custom content
2 bundles represent content in different languages.

1 41. A computer system for customizing a program, comprising:
2 a component that establishes a default value for a customization parameter for
3 the program; and
4 a component that determines whether the statement has statement-specific
5 value for the customization parameter that overrides the default value parameter; when it is
6 determined that the statement has a statement-specific value that overrides the default value,
7 retrieves content from a custom content bundle associated with the statement-specific value;
8 and when it is determined that the statement does not have a statement-specific value that
9 overrides the default value, retrieving content from a custom content bundle associated with
10 the default value.

1 42. The computer system of claim 41 wherein the customizing is language
2 localization.

1 43. The computer system of claim 41 wherein the custom content bundles
2 include text content.

1 44. The computer system of claim 41 wherein the custom content bundles
2 include images.

1 45. The computer system of claim 41 wherein the custom content bundles
2 include code.

1 46. The computer system of claim 41 wherein the program is a server-
2 executable web page and wherein the statements are tags.

1 47. The computer system of claim 46 wherein the statements are custom
2 tags.

1 48. The computer system of claim 46 wherein the statements are HTML
2 tags.

1 49. A computer-readable medium containing a program for controlling a
2 computer system to perform a custom behavior, by a method comprising:
3 establishing a default value for a customization parameter for the program;
4 when it is determined that a statement of the program has a statement-specific
5 value that overrides the default value, retrieving content from a custom content bundle
6 associated with the statement-specific value; and
7 when it is determined that a statement of the program does not have a
8 statement-specific value that overrides the default value, retrieving content from a custom
9 content bundle associated with the default value.